

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012004**Date Inspected:** 13-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr.Li Yang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder(OBG)**Summary of Items Observed:**

This CALTRANS OSM Quality Assurance Inspector (QA) Surendra Prabhu was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

OBG TRIAL ASSEMBLY

This QA Inspector observed the following work in progress:

SEGMENT: 6AW (Panel Point # 37)

The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted Notification No. 005208

Magnetic Particle Testing (MT)

This QA performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA generated MT report for this date. The member is identified as OBG Crossbeam Component. The weld designations reviewed are as follows:

1. DP628-001-011,012
2. EP40-001-010,011
3. SP412-001-019,020

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

SEGMENT: 6CW

Flux Cored Arc Welding (FCAW) welding of Repair weld joint SP085-001-24. Welder is identified as 220066. ZPMC Quality Control (QC) is identified as Mr. Li Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS: 345-FCAW-2G (2F)-Repair and Welding Repair Report (WRR) No: B-WR10633. (The attached photographs provide additional detail.)

SEGMENT: 7BW

Flux Cored Arc Welding (FCAW) welding of weld joint SP430-001-34. Welder is identified as 066746. ZPMC Quality Control (QC) is identified as Mr. Li Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS: WPS-B-T-2233-B-U2-F. (The attached photographs provide additional detail.)

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

Only general conversation was held between QA and Quality Control (QC) concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Prabhu,Surendra	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
